From:

Satter, Michael B

Sent:

Wednesday, January 16, 2019 12:02 PM

To:

Collins, Francis D; Selock, Scott A; Cesena, Christopher A

Subject:

RE: BriefCam trial deployment for the parade

Sounds like a great opportunity Damont. The biggest hurdle is just making sure there's a parade!

From: Collins, Francis D

Sent: Wednesday, January 16, 2019 10:50 AM

To: Satter, Michael B; Selock, Scott A; Cesena, Christopher A **Subject:** FW: BriefCam trial deployment for the parade

Gents,

I'm not sure if this was on your radar. But we may have the opportunity to utilize some facial recognition software on a trial basis. It would be offered for support of a potential championship parade. I wanted to make sure you were in the loop in the event you had folks on your list that you would like observed. We are in the process of evaluating Briefcam, Avigilon and Vintra in an effort to get working video analytics software program to assist us with video searches.

Any questions or feedback is welcome!

Be safe,

D

Sgt. F. Damont Collins #5146 Law Enforcement Resource Center Real Time Crime Center 901 Charlotte Ave Kansas City, Mo Police Department 816-949-1654 (Office)

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From: Watts, Daniel F

Sent: Tuesday, January 15, 2019 5:50 PM

To: Thomas, James W; Collins, Francis D; Connelly, James; Rauzi, Patrick H; Fisher, Aaron M; Bean, Stephen M; Kobolt,

Justin A

Cc: May, Monte L;

Subject: BriefCam trial deployment for the parade

I was contacted by ETI today and they have put forth an offer to provide a trial deployment laptop with 5 facial recognition licenses for BriefCam. The offer would be to deploy it for either an AFC champion parade or Super Bowl

champion parade.

I leave it to Captain Kobolt (Major Thomas shows to be out of the office until after the event will take place.) and the EOC to determine if they want it and where it would be placed for the event.

P.O. Dan Watts
Patrol Bureau Special Projects
(816) 210-7306
Daniel.Watts@KCPD.org

From:

Lee, Darin R

Sent:

Thursday, June 14, 2018 9:17 AM

To:

Berg, Stephen M Clevenger, Josh E

Cc: Subject:

FW: Cellebrite - Follow-Up to Our Brief Conversation Regarding the Heartland RCFL

Attachments:

Analytics Desktop.pdf; UFED Cloud Analyzer.pdf

From: Melissa Hildebrand [mailto:melissa.hildebrand@cellebrite.com]

Sent: Thursday, June 14, 2018 9:10 AM

To: Lee, Darin R

Subject: Cellebrite - Follow-Up to Our Brief Conversation Regarding the Heartland RCFL Meeting



Hi Darin:

Thank you again for your brief time this morning.

As a follow up, I wanted to send you the attached information regarding both Cloud Analyzer and Desktop Analytics and like I mentioned we offer trials for both of those products. I'd love to provide those trials for you and the Detectives in your agency to show you the power of how our products can help you! I understand sorting through data is often time consuming and evidence can often be missed, but those products would cut down the time involved in sorting through data as well finding evidence that you may be unaware of.

The below link is a webinar for how Analytics works. If you have any questions, please feel free to reach back out to me.

https://vimeo.com/269961386/e5e393a220

Looking forward to hearing back from you and/or your Detectives regarding this.

Sincerely,

Melissa Hildebrand | Business Development Consultant

t. 973-206-7740 | e. <u>melissa.hildebrand@cellebrite.com</u> | <u>www.cellebrite.com</u> Cellebrite | 7 Campus Dr. Suite 210, Parsippany, NJ, 07054 USA



UFED Cloud Analyzer

As people increasingly rely on social media and other cloud-based services to connect with others, store information and share their lives, digital evidence that can be critical to solving a case often exists beyond physical devices. Accessing data from public or private user profiles hosted in cloud-based applications and services needs to be fast and forensically sound to keep investigations moving forward.

Cloud-based sources represent virtual goldmines of potential evidence for investigations. But challenges abound, such as delays from service providers in meeting subpoena demands for private information after a warrant is obtained. Manually scouring public data from social media and other cloud-based apps is a time-consuming process that investigations just can't afford. Not to mention that analyzing such large volumes of disparate data presents a complex, labor-intensive challenge in and of itself. Producing timely, defensible evidence from cloud-based data has the potential to not only speed up investigations, but to crack cases wide open.

Extract, preserve and analyze social media data, instant messaging, file storage and other cloud-based content from public and legally pre-approved private sources with UFED Cloud Analyzer. Teams can immediately access insights without needing to manually comb through data or analyze an abundance of siloed information. Easily search, filter, sort and share data to quickly identify suspects, victims, locations and more.



Key benefits

Acquire crucial details with a forensically sound process

Fulfill requests for cloud-based private data

Gather private user data in accordance with due process from over 40 of the most popular social media and cloud-based sources, including Facebook, Twitter, Gmail, Google Drive, Dropbox, Instagram, Vkontakte, What's App, iCloud and more. Use login credentials provided by the subject, extracted from digital devices, retrieved from personal files or via other discovery means to gain access to time-sensitive evidence.

Capture public domain data for easy review

Easily access, view and incorporate publicly available data into your investigations, such as location information, profiles, images, files and social communications from popular apps, including Facebook, Twitter and Instagram.

Forensically preserve data

Log and trace the entire extraction process to maintain data authenticity. Each piece of extracted data is hashed separately and can be later compared against its origin to ensure forensic soundness and produce admissible evidence.

Enhance and share insights to accelerate investigations

Track online behavior

Gain insights into the subject's intentions, interests and relationships by analyzing posts, likes, events and connections. View text searches conducted with Chrome and Safari on iOS devices backed-up on iCloud. Extract extensive details from Google web history including private location information from a suspect or victim, so investigators can track time-stamped movements minute by minute.

Visualize data in a unified format

Bring key insights to the surface by normalizing cloud data across different sources in a unified view for easier analysis. Search, filter and examine data across platforms by Timeline, File Thumbnails, Contacts or Maps to quickly uncover common connections and correlate critical evidence.

Collaborate and integrate data

Share critical evidence with the entire investigative team. Easily generate dynamic reports that can be shared and reviewed by other team members, and export data into Cellebrite's Analytics Series or other advanced analytical tools for additional insights.

Specifications

PC	Windows compatible PC with Intel i5 or compatible running at 1.9 GHz or higher
Operating System	Windows 7 Service Pack 1, Windows 8, 64-bit or Windows 10, 64-bit
Memory (RAM)	Recommended: 16 GB / Minimum: 8 GB
Space Requirements	1.5 GB of free disk space for installation

Digital intelligence for a safer world

Digital data plays an increasingly important role in investigations and operations of all kinds. Making data accessible, collaborative and actionable is what Cellebrite does best. As the global leader in digital intelligence with more than 60,000 licenses deployed in 150 countries, we provide law enforcement, military and intelligence, and enterprise customers with the most complete, industry-proven range of solutions for digital forensics, triage and analytics.

By enabling access, sharing and analysis of digital data from mobile devices, social media, cloud, computer and other sources, Cellebrite products, solutions, services and training help customers build the strongest cases quickly, even in the most complex situations. As a result, Cellebrite is the preferred onestop shop for digital intelligence solutions that make a safer world more possible every day.

Learn more at cellebrite.com





Analytics Desktop

When a crime occurs, the race is on to generate leads, identify suspects and make arrests. Case outcomes often rely on digital evidence, yet analyzing large volumes of disparate data is difficult and time consuming, putting investigations at risk. Forensic practitioners need fast, powerful analytics tools that can turn raw data into intelligence that investigators can act on.

Designed as a standalone application, Analytics Desktop automates time-intensive analytical tasks to deliver the deepest, most accurate insights possible and shorten investigation cycles. This cost-effective tool adds power and value to your existing forensic tools with purpose-built analytical engines that allow users to quickly correlate, analyze and cross reference large disparate sets of mobile, computer, cloud and telco data.

Dynamically view data from multiple angles and isolate key details, like objects or faces within images, for easy analysis and reporting to case stakeholders. Investigators benefit from not having to review large, cumbersome PDF reports but instead applying real-time knowledge and context required to work cases faster and keep communities safer. Prosecutors get accurate, defensible intelligence that effectively bolsters their case.

Key benefits

Reveal critical evidence faster

Text analytics

Natural language processing lets you go beyond regex and watch lists to reveal names, addresses, locations, and more from artifacts like emails, websites, text messages or even images that contain text, using OCR, in multiple languages.

Media analytics

Cutting edge machine learning algorithms immediately detect images and video related to key categories, such as weapons, nudity, faces or suspected child exploitation. Automatic facial recognition software and advanced categorization sorts data based on pre-defined filters. Identify relevant or blacklisted images by comparing digital signatures.

Timeline and map analytics

Extract location-related data from all relevant sources to track a suspect's whereabouts, identify case related hotspots and detect meetings, geo-routines and routes. Visualize mutual locations, communication flow and patterns across suspects, events or even cases, with timeline or map-based views to identify the critical connections that solve cases.

Eliminate time-intensive manual analysis

Analyze data faster

Simplify complex analytical tasks to build the case more quickly. Automatically unify and correlate data from across disparate sources, such as mobile devices, computer, cloud and telco service providers. Save time and resources by analyzing multiple logical, file system and physical extractions and external sources in various formats in a single view.

Focus on the most meaningful evidence

Eliminate the need to review images one by one with advanced media analytics utilizing unique neural network machine learning processes. Apply your case knowledge using intuitive filters to narrow your focus to the most relevant evidence. Enhance your existing forensics tools with comprehensive case-level analysis capabilities to help you advance the case.

Establish connections quickly

Dynamic visualizations help forensics practitioners and investigators uncover new perspectives and discover common threads based on communications and locations. Analyze links within case-related networks to uncover connections, group hierarchies and communication patterns between parties.

Architecture Recommended: Core i7 CPU / Minimum; Core i5 CPU Operating System Windows-based desktop Performance Requirements Recommended: 16+ GB RAM / Minimum: 8 GB RAM Graphics Processing Unit NVIDIA GPU with 2 GB of memory for image analytics Uses/Cases Single Digital Artifacts Multiple digital artifact sources (phone extraction, telco data records and UFED Cloud Analyzer extraction data per case)

Digital intelligence for a safer world

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Learn more at cellebrite.com



prohibited.

From:	noreply@salesforce.com on behalf of Kelly Kyriakos <kelly.kyriakos@vigilantsolutions.com></kelly.kyriakos@vigilantsolutions.com>
Sent:	Wednesday, February 28, 2018 3:23 PM
To:	Stoker, Todd M
Subject:	Introduction
,	
Todd Stoker:	
Solutions based out of St. Lo in the past, but I would love that Vigilant has recently int	tion. I am the new Regional Sales Manager handling the Midwest for Vigilant buis. I know that the Department has had some interaction with other Vigilant folks the opportunity to set up a meeting in the future to discuss all of the new solutions roduced beyond just our LPR offerings. We have completely upgraded our facial e and offering, as well as launched a new ballistics solution to help with gun crime
I have included my contact of you and others within the De	details below for your reference. I look forward to the opportunity to speak with epartment in the future.
Kelly Kyriakos	
Midwest Regional Manager	
Cell (636)-893-4825	
Kelly.kyriakos@vigilantsolu	utions.com
To sign up for "Training We	binars", please go to:
1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<i>u</i> · · · · · · · · · · · · · · · · · · ·
http://www2.vigilantsolution	is.com/training-webinars
Protecting Officers, Families	s and Communities
www.vigilantsolutions.com	
• • • • •	attachments) contains confidential information intended for a specific individual dby law. If you are not the intended recipient, you should delete this message. Any

disclosure, copying, or distribution of this message, or the taking of any action based on it, is strictly

From:

Asper, Jason A

Sent:

Thursday, February 01, 2018 12:35 PM

To:

Asper, Jason A; Becchina, Jacob P; Cesena, Christopher A; Marckx, Todd A; Satter,

Michael B

Subject:

FW: NEC Facial Recognition

Attachments:

NEC Face Recognition Technology Performance and Accuracy 12.28.17.pdf;

NeoFaceReveal_Final_Print.pdf

All:

Just had a really good conversation with NEC, Vendor, Lee Kicker, 281-415-1660, lee.kicker@necam.com. I talked about our regional approach and they already have a product set up called NEOFACE, see attached. Mr. Kicker was already arranging a demonstration at the Capitol Grill in April for KC Law Enforcement, but wants to come and meet with us earlier. He offered the afternoon of Feb. 12, 2018 or the morning of Feb. 13, 2018. Mr. Kicker worked eight years for the Dallas PD. Jason Asper

From: Kicker, Lee [mailto:Lee.Kicker@necam.com] Sent: Thursday, February 01, 2018 12:23 PM

To: Asper, Jason A

Subject: NEC Facial Recognition

Jason,

It was a pleasure speaking with you and I look forward to meeting everyone soon. I have attached the information we discussed and look forward to confirming our date/time so we meet. Please feel free to contact me at any time. Thanks.

Lee Kicker | Sr. Account Manager **Advanced Recognition Systems**

NEC Corporation of America | lee.kicker@necam.com

https://www.necam.com/AdvancedRecognitionSystems/Resources/

281-415-1660



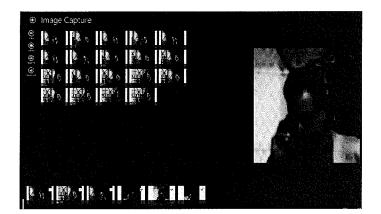
\Orchestrating a brighter world \\





NeoFace® Reveal

Advanced Criminal Investigative Solution Using Face Recognition Technology



At a Glance

- * Facial forensic image processing & matching
- Powerful image enhancement tools
- Independently evaluated as the most accurate face recognition solution in the market
- Innovative multi-touch user interface utilizing Microsoft® Windows® 8
- Highly scalable for large systems & users
- Easy integration into existing operational & security processes
- Support of multiple image & video formats

Overview

The amount of mugshot data law enforcement agencies must process from real-time videos, online digital media and hardcopy photographs is growing at a rapid rate. Additionally, suspects cannot always be relied upon to provide their true identities, taxing stretched resources even further. Leveraging face recognition technology to automatically search, process, and match facial images can unlock the information held in large digital mugshot databases to expedite criminal investigations and solve more crimes.

NEC's NeoFace Reveal is a latent face workstation providing law enforcement and crime laboratory agencies the ability to enhance poor

quality latent face images, search against their mugshot repositories, and locate potential candidates. NeoFace Reveal allows authorities to match facial images against these potential candidates, ranking the database images against the probe image and providing a ranked candidate list. The solution allows operators to easily scroll through and review the candidate list, enabling a quick assessment by skilled experts.

Independent testing confirms that NeoFace technology provides the fastest, most accurate matching capability and is the most resistant to variants in ageing, race and pose angle.

Solution

NEC's NeoFace Reveal is a latent face workstation that reduces investigation time for cases that contain facial video evidence, thus reducing case load for investigators. Another advantage of NeoFace Reveal is its rapid processing of facial evidence coupled with its ability to generate persons of interest list investigation immediately after the crime has taken place. This advantage allows investigators identify a suspect prior to the suspect evading capture by leaving the local community, state or country.

NeoFace Reveal shows an immediate return on investment for customers. It reduces investigation time and investigator workload. Most importantly, the solution helps turn the previously unusable images into hard evidence to solve crimes.

Turn Poor Quality Images into Evidence

NeoFace Reveal enables law enforcement agencies to enhance poor quality latent face images for comparison to their mugshot repositories. This allows system operators to develop watch lists of potential matches while maintaining a full audit trail for each step in the image enhancement process. It also helps investigators identify individuals in crime scene photos and surveillance videos by matching facial images against the agency's mugshot repository. NeoFace Reveal also provides a set of verification tools that helps identify the person in question in a timely manner, allowing investigators to act upon the search results in the critical time period after a crime has been committed.

Advanced Image Editing/Enhancement Tools

Due to poor quality or angle of captured facial images, image enhancement algorithms can improve matching accuracy. NeoFace Reveal provides a comprehensive set of standard and advanced image processing enhancements to improve image quality and matching ability.

The standard image enhancements include overall image adjustments and filters applied to improve detail and remove background noise. Some standard enhancements include crop/rotate, brightness, contrast, intensity, smooth, sharpen, histogram equalization, noise reduction, aspect ratio correction, and de-interlacing.

NeoFace Reveal also delivers several advanced enhancements, allowing correction of difficult to match images:

- Pose Correction Pose correction attempts to generate a frontal face image from an image source that was captured off center. By manually marking specific facial features, a rotated facial image can be calculated, improving the facial matching score.
- Consolidation Consolidation attempts to create a properly-posed frontal face image from a series of images. By selecting a series of images, a composite facial image can be created, allowing simulation of a frontal face image.
- Illumination Illumination allows for correction of shadows due to off-center light sources. Manual selection of an area of the image will allow simulation of an additional light source.

Support of Multiple Image & Video Formats

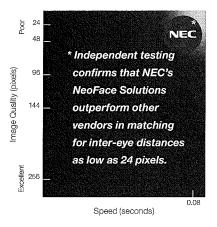
NeoFace Reveal can process facial images obtained from either still images or video streams.

Still images can be imported through two different methods, depending on source and intended use. The first method is to select a single file from a locally available directory. This uses the standard Windows file selection dialog. The second method is to batch input all images within a selected directory. Once input, NeoFace Reveal displays all images in a pick list from which additional review and processing can be accomplished. For both single file and batch input methods, multiple image file formats are supported, including BMP, TIFF, PGM, PNG, JPEG, and J2K. EBTS or NIST formatted files can also be imported.

Once a still image of any type is imported, potential facial data is extracted and quality metrics are displayed, overlaying each image. This quality data can help determine the best images for further processing and searching.

Unsurpassed Accuracy & Matching Speed

The strength of NEC's NeoFace technology lies in its tolerance of poor quality. Highly compressed surveillance videos and images, previously considered of little or no value, are now usable evidence and leading to higher rates of positive identification. With its ability to match low resolution facial images down to 24 pixels between the eyes, NEC's NeoFace technology outperforms all other face recognition systems in matching accuracy. While searching of latent fingerprints at crime scenes is standard, NeoFace facial recognition technology can now positively identify latent photos with a high degree of accuracy.



Empowered by Innovation

NEC

Corporate Headquarters (Japan) NEC Corporation Oceania (Australia) NEC Australia Pty Ltd

North America (USA & Canada) NEC Corporation of America necam.com Asia NEC Corporation nec.com Europe (EMEA)

NEC Unified Solutions

nec-unified.com

About NEC Corporation of America Headquartered in Irving, Texas, NEC Corporation of America is a leading provider of innovative IT, network and communications products and solutions for service carriers, Fortune 1000 and SMB businesses across multiple vertical industries, including Healthcare, Government, Education and Hospitality, NEC Corporation of America delivers one of the industry's broadest portfolios of technology solutions and professional services, including unified communications, wireless, vice and data, managed services, server and storage languarter, textra positions, expectable, and communications, wireless, vice and data, managed services, server and storage languarter, textra positions, representations, and storage and technology leader with operations in 30 countries and more than \$38.5 billion in revenues, For more information, please visit necam.com.

From:

Hicks, Michael

Sent:

Wednesday, March 06, 2019 2:47 PM

To:

Moraczewski, Chase L; Smith, Amber N

Subject:

Suspect Technologies Demo

See below. Dave Mann suggested you might be interested. Let me know.

From: Hicks, Michael < Michael.Hicks@kcpd.org > Sent: Wednesday, March 06, 2019 2:28 PM

To: Mann, David <David.Mann@kcpd.org>; May, Monte L <Monte.May@kcpd.org>

Subject: Suspect Technologies Demo

At the last ITAC meeting we discussed Suspect Technologies Facial Recognition software that Det. Owen Farris wants to partner with for a free test with KCPD. Tomorrow at 10:00 AM the company is conducting an on-line demo. KCPD members will be watching at the NPD conference room. Do you both have time tomorrow to attend with me? Is there anyone else from our shop that should attend the demo?

Major Michael Hicks Information Services Division **Police** KC/MO (816)413-3574 (816) (mobile)

From:

Farris, Owen

Sent:

Friday, October 12, 2018 11:55 AM

To:

'Gordon.N.Mallory@usdoj.gov'

Subject:

RE: Capability email

Have you heard anything from HQ on this? Or is there someone I can follow up with?

Detective Owen Farris
Kansas City Missouri Police Department
Homeland Security Division
Cell Phone 816-214-1041

From: Gordon.N.Mallory@usdoj.gov [mailto:Gordon.N.Mallory@usdoj.gov]

Sent: Friday, September 07, 2018 12:27 PM

To: Farris, Owen

Subject: Re: Capability email

Got it G

SA Gordon Mallory OCDETF Coordinator West Central Region

On Sep 7, 2018, at 12:12 PM, Farris, Owen < O.Farris@kcpd.org > wrote:

Gordon,

Here is some information regarding the facial recognition software I was telling you about. Look at it and see if it something your agency would be interested in trying. It is just another tool used to help investigators during an investigation. If you have any questions let me know.

Thanks,

Owen

Detective Owen Farris
Kansas City Missouri Police Department
Homeland Security Division
Cell Phone 816

From: Owen Farris [mailto:

Sent: Tuesday, August 28, 2018 7:57 AM

To: Farris, Owen

Subject: Fwd: Capability email

<u>Download Attachment</u> <u>Available until Sep 27, 2018</u>

Sent from my iPhone

Begin forwarded message:

From: Owen Farris

Date: August 28, 2018 at 07:53:59 CDT

To:

Subject: Fwd: Capability email

----- Forwarded message -----

From: Jacob Sniff < jacob@suspecttech.com>

Date: Mon, Aug 27, 2018 at 11:23 AM

Subject: Capability email To: <<u>ojf0014@gmail.com</u>>

Hi,

We started as a video redaction company and we are rly looking to extend ourselves and service the investigative needs of detectives in video.

We are aiming to launch a platform to help the video investigative review process for detectives. Facial Recognition and a good database to access are key to this. We are looking to connect with various detectives that maybe able to give us feedback on our ideas. Pls see the attached .pdf to gain an overview of which features are currently being built.

Look forward to connecting!

Jacob

Click to Download

OutsideDetectives.pdf 21.1 MB

From:

Asper, Jason A

Sent:

Thursday, January 04, 2018 4:17 PM

To:

Dillbeck, Jeff

Subject:

FW: Tiburon CMS Booking Photo Records

Hi Jeff:

Would you know the answer to this??? Jason

From: May, Monte L

Sent: Friday, December 08, 2017 2:57 PM

To: Asper, Jason A

Subject: RE: Tiburon CMS Booking Photo Records

Hey Jason,

Sorry for the late reply. I don't' have a number for you regarding the amount of mugshots we have. Probably going to need someone to look into the tips database for that. I think Jeff Dillbeck handles that. When he gets back from vacation I will ask him.

Captain Monte L. May, Information Services Division Kansas City, Missouri Police Department monte.may@kcpd.org 816-413-3432

816-

From: Asper, Jason A

Sent: Thursday, November 30, 2017 1:34 PM

To: May, Monte L

Subject: Tiburon CMS Booking Photo Records

Captain May:

Hi. We are looking at Facial Recognition software. A company called Dataworks is coming in on January 16th at 1300. Please attend if you wish. Dataworks does their pricing structure based on how many CMS records (Mugshots) in our Tiburon database. Is there a way you can tell me how many records we have???? Jason Asper

Sgt. Jason Asper, #4102 Kansas City Missouri Police Department Perpetrator Information Center (PIC) jason.asper@kcpd.org 816-949-1679

